



SKYREND STORM

NO CLEAR SKY FOR THEM

European Quality Standards | Manufactured in the Czech Republic

TACTICAL AND TECHNICAL CHARACTERISTICS

Flight range

- Maximum flight range — 25 km
- Tactical range — 15 km

Flight duration

- Flight duration — 23 min
- Flight duration (at maximum speed) — 6 min

Flight speed

- Cruising — 180 km/h
- Maximum — 300 km/h

Channel characteristics (frequency, protection or encryption)

- Control — (0.15–2.7) GHz
- Telemetry — (0.15–2.7) GHz
- Video — (1.2–7.2) GHz

Target load weight (payload)

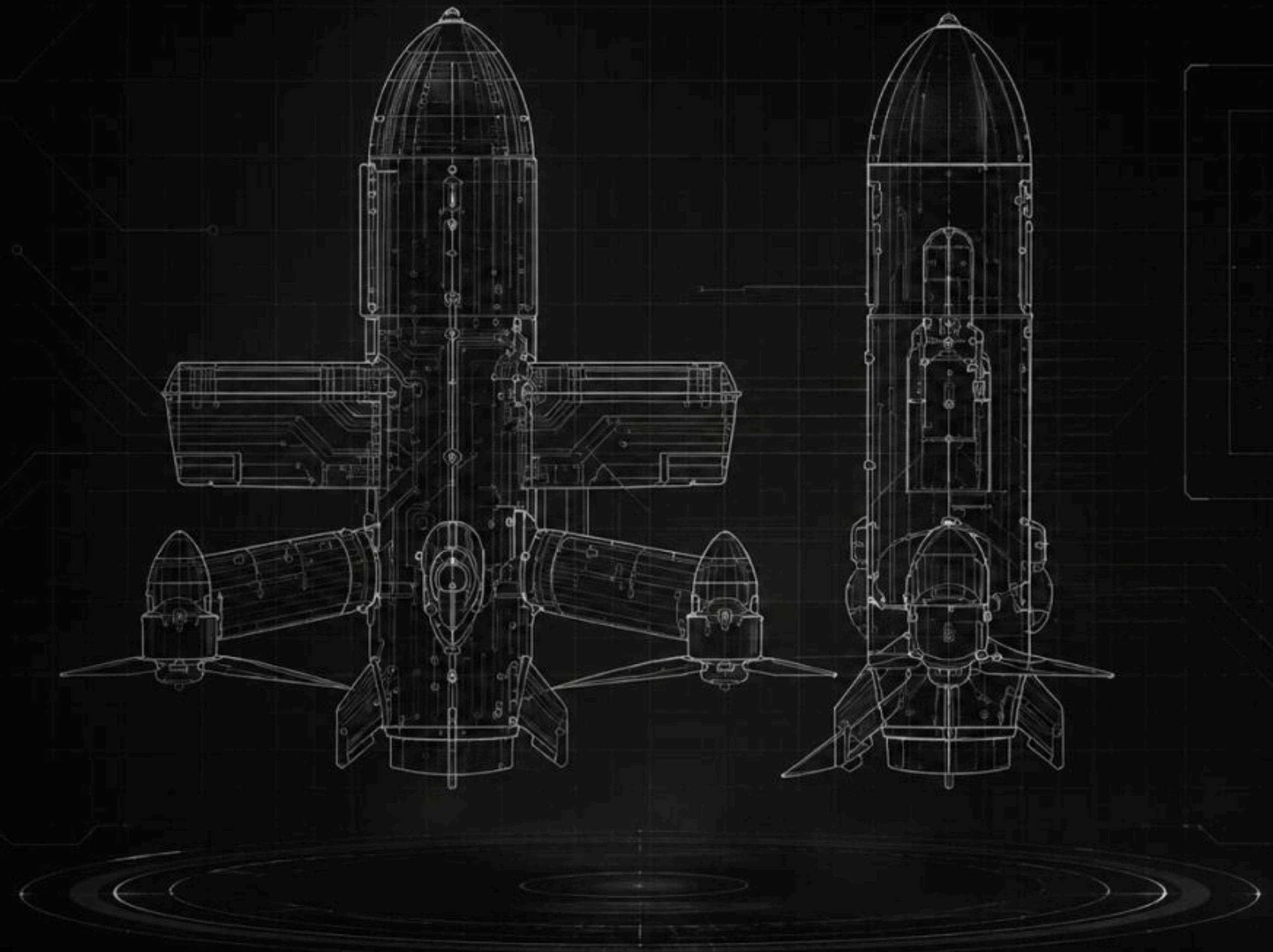
- Optimal / maximum — 0.3 kg / 0.5 kg

Flight altitude

- Maximum — 5000 m
- Operating — 2000 m

UAV weight

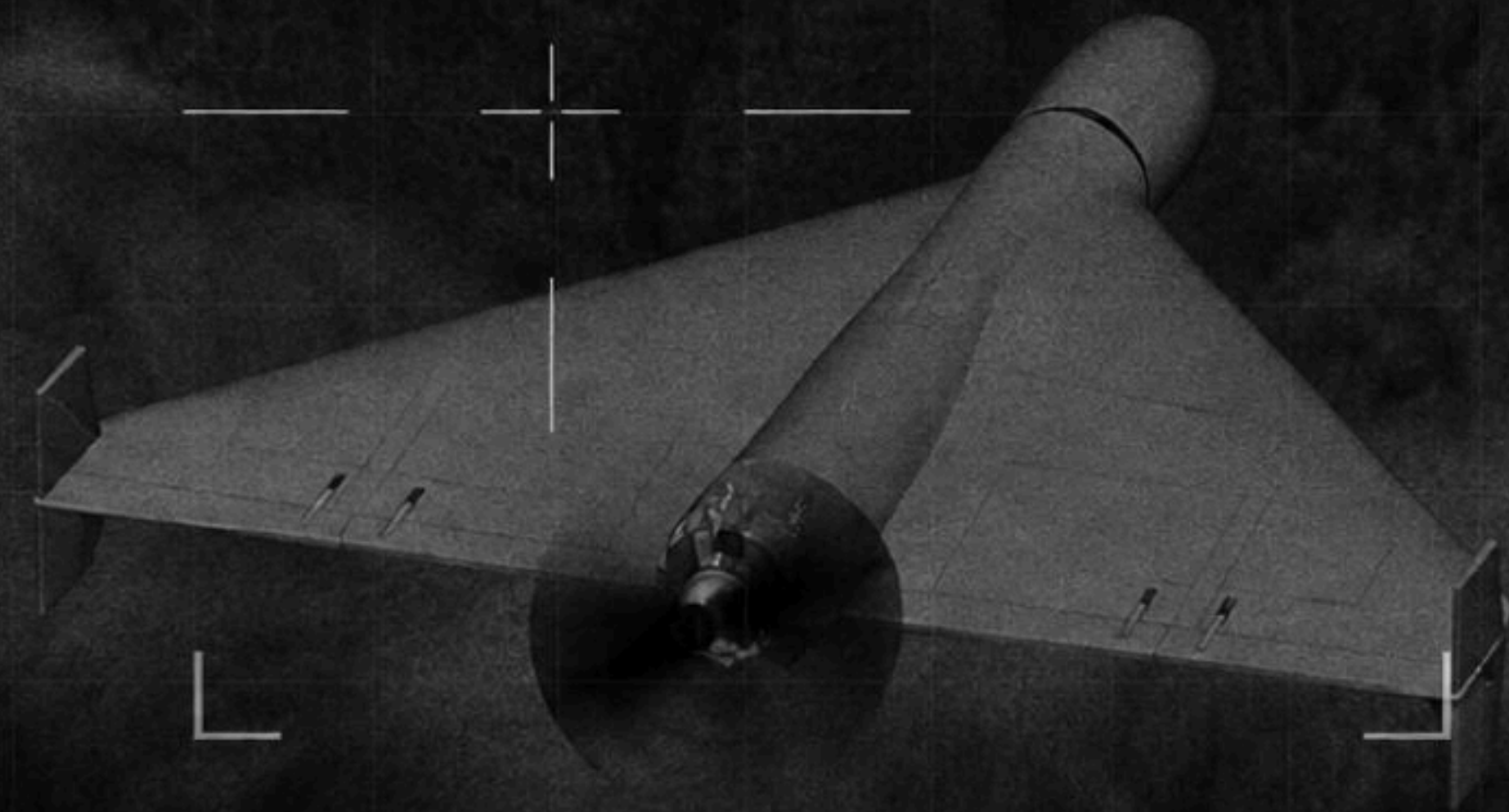
- Maximum take-off weight of the UAV from the UAC composition — 3.5 kg



High speed and accuracy of defeat ensure effectiveness in areas where classic anti-aircraft weapons do not have time to react.

ADVANTAGES OVER OTHER AIR DEFENSE SYSTEMS:

- 1** The cost of the interceptor is less than 10% of the cost of the "SHAHED";
- 2** Can operate in the "PATROL" mode;
- 3** **RETURN TO BASE** — if the target is canceled or not found, the drone performs a vertical landing, saving the budget
- 4** **Compactness in transportation** and minimal expenditure of resources for bringing into combat readiness



MAIN COMPONENTS:

Carbon frame:	8 inches
Flight stack:	F722 + 8S 100A
Electric motor:	3115 900 Kv;
Propeller set (4 pcs.):	8X8X2
Control receiver ELRS:	HappyModel ExpressLRS DualEP1 TCXO 2.4GHz
Camera:	Analog day — Caddx Ratel Pro Analog 640 thermal imaging;
Video transmitter:	Skyzone TX2501 CNC 2.5W 4.9-6.2G
Video transmitter antenna:	5.8 G
Radio receiver antenna	T-shaped
Rechargeable battery:	8s3p

- * Vertical takeoff — a quick start from any point without preparation for takeoff.
- * The detection and recognition range of typical targets is 550 m

Channel characteristics

(frequency, protection or encryption):

- control — (0.15–2.7) GHz
- telemetry — (0.15–2.7) GHz
- video — (1.2–7.2) GHz

The flight control of this product is carried out on the Betaflight platform.

The combination with a custom-designed fuselage of the interceptor drone, PID (Proportional-Integral-Derivative) settings and signal filters for this fuselage makes it possible to achieve the above technical characteristics.



The interceptor drone is controlled using the following complex:

1. Ground control station;
2. Remote antenna complex with mast;
3. FPV goggles (resolution not worse than 1280x720);
4. UAV control panel;
5. Charger.

The ground control station consists of:

1. Repeater;
2. Cable set;
3. Repeater control case with a monitor of at least 10 inches with AV output;
4. 10 inches with AV output;
5. Protective equipment and a set of cables
6. for connecting control station components.



OBJECT TRACKING:

TRG ID	7X-91A
RNG	2.47 KM
BRG	041.2°
VEL	182.45 M/S
ALT	2156.23 M

SIGNAL ANALYSIS

INTERCEPTOR - PRINCIPLE OF OPERATION

Detection and take-off: After receiving data from the radar about the approach of the "target", the operator launches the drone-interceptor

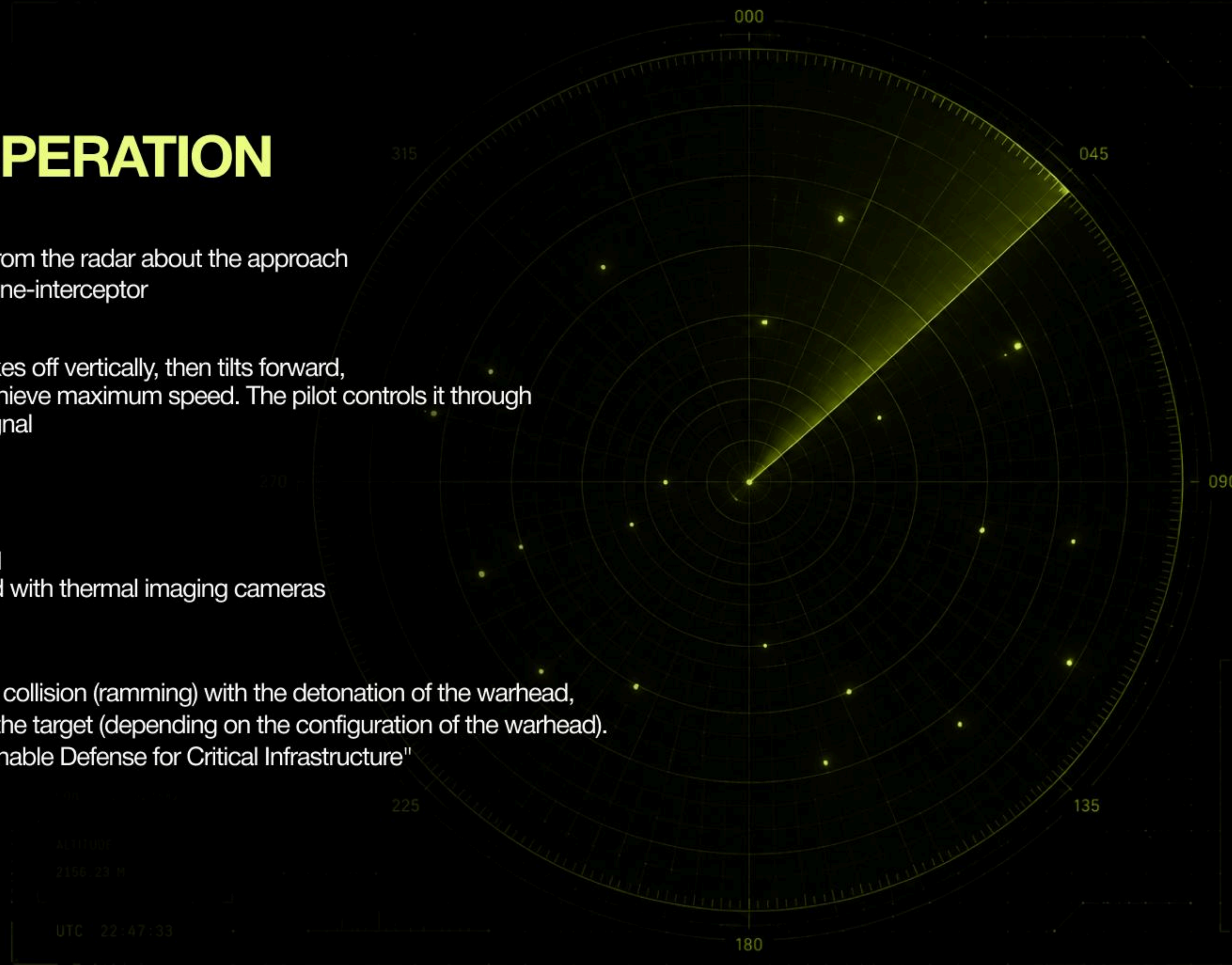
Flight to the target: The drone-interceptor takes off vertically, then tilts forward, gaining an aerodynamic "bullet" shape to achieve maximum speed. The pilot controls it through VR glasses, receiving a high-quality video signal

Guidance:

- Daytime: A standard digital camera is used
- At night: The drone-interceptor is equipped with thermal imaging cameras

Final stage: The target is destroyed by direct collision (ramming) with the detonation of the warhead, or by the detonation of the warhead next to the target (depending on the configuration of the warhead).

"Air Dominance, Absolute Protection. Sustainable Defense for Critical Infrastructure"



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